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Approved for use through 10/31/2002. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. H1799-00071  
 First Inventor PETER DUSSINGER  
 Title INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER  
 WITH THROUGH MOUNTING HOLES  
 Express Mail Label No. EI901223587US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2. ☒ Applicant claims small entity status.  
 See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]  
*(preferred arrangement set forth below)*
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]  
 [Total Pages 2]
5. Oath or Declaration [Total Pages 2]
- a. ☐ Newly executed (original or copy)  
 Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
- b. ☒ **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Attorney (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. **SMALL ENTITY STATEMENT**
17. ☒ Other: CHECK.....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. 09 / 310,397  
 Prior application information: Examiner C. ATKINSON Group Art Unit 3743

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label 08933 or ☒ Correspondence address below  
*(Insert Customer No. or Attach bar code label from)*

Name SAMUEL W. APICELLI  
 DUANE, MORRIS & HECKSCHER LLP  
 Address 305 NORTH FRONT STREET, P.O. BOX 1003  
 City HARRISBURG State PA Zip Code 17108-1003  
 Country US Telephone 717-237-5516 Fax 717-234-4015

Name (Print/Type) SAMUEL W. APICELLI Registration No. (Attorney/Agent) 36,427  
 Signature *Samuel W. Apicelli* Date 5/9/01

Business Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**FEE TRANSMITTAL**  
**for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	(\$)	515
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**Complete if Known**

Application Number	NOT YET KNOWN
Filing Date	HEREWITH
First Named Inventor	PETER DUSSINGER
Examiner Name	ATKINSON, C.
Group Art Unit	3743
Attorney Docket No.	H1799-00071

#### METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number **04-1679**
- Deposit Account Name **DUANEMORRIS&HECKSCHER LLP**
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27
- 
2. ☒ **Payment Enclosed:**
- ☒ Check ☐ Credit card ☐ Money ☐ Other

### FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	355
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1)	(\$)	355
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## 2. EXTRA CLAIM FEES

		Extra Claims		Fee from below	Fee Paid
Total Claims	15	-20** =	0	X	0
Independent Claims	7	-3** =	4	X	40
Multiple Dependent					160

Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\$)	160
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**FEE CALCULATION** (continued)

### 3. ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	690	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
<b>*Reduced by Basic Filing Fee Paid</b>					
<b>SUBTOTAL (3)</b>				<b>(\$)</b>	

## SUBMITTED BY

Name (Print/Type)	SAMUEL W. APICELLI
Signature	<i>Samuel W. Apicelli</i>

Registration No. (Attorney/Agent)	36,427
--------------------------------------	--------

Complete (if applicable)

Telephone	717-237-5516
Date	5/9/01

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dussinger et al.

Serial No.: Not yet known

Filing Date: Herewith

For: INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES

CERTIFICATE OF EXPRESS MAIL

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:


I hereby certify that this document, namely the above-identified **Utility Patent Application** is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

"Express Mail" mailing label number EI901223587US

Date of Deposit 05/09/2001

Respectfully submitted,

Date: 05/09/2001

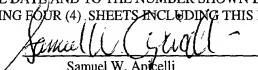
  
Samuel W. Apicelli, Esq.  
Registration No. 36427  
Customer Number 08933  
Duane, Morris & Heckscher LLP  
305 North Front Street, P.O. Box 1003  
Harrisburg, PA 17108-1003  
Telephone: (717) 237-5516

Docket No: H1799-00071  
HBG175338.1

CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. 1.6 & 1.8

I CERTIFY THAT THIS CORRESPONDENCE IS BEING TRANSMITTED BY FACSIMILE TO THE PATENT AND TRADEMARK OFFICE ON THE DATE AND TO THE NUMBER SHOWN BELOW.  
FAX. NO. 703-308-7764 COMPRISING FOUR (4) SHEETS INCLUDING THIS PAGE.

Date: November 3, 2000

  
Samuel W. Apicelli  
Reg. No. 36,427

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dussinger et al.

Serial No: 09/310,397

Examiner: Atkinson, C.

Filed: 05/12/1999

Group Art Unit: 3743

For: INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER WITH THROUGH MOUNTING HOLES

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir: TRANSMITTAL LETTER

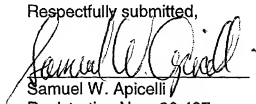
Please find enclosed for filing:

- ☒ Power of Attorney and Change of Correspondence
- ☒ Statement Under 37 CFR 3.73(b)
- ☒ If any fees are required, please debit the same from

Deposit Account No. 04-1679. This Transmittal Letter is submitted in duplicate.

Date: 11/3/00

Respectfully submitted,

  
Samuel W. Apicelli  
Registration No.: 36,427  
Customer Number 08933  
DUANE, MORRIS & HECKSCHER, LLP  
305 North Front Street, P.O. Box 1003  
Harrisburg, PA 17108-1003  
(717) 237-5516

Attorney Docket No.: H1799-00025

0085232, 050901  
10605072225800

Attorney's Docket No. \_\_\_\_\_  
Martin Fruitman  
419 N. George St.  
Millersville, PA 17551

COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of:

Inventor: Peter M. Dussinger et al

For: INTEGRATED CIRCUIT HEAT PIPE HEAT SPREADER  
WITH THROUGH MOUNTING HOLES

Enclosed are:

☒ \_\_\_\_\_3\_\_\_\_\_ sheets of drawing

☒ An assignment of the invention to Thermal Corp.

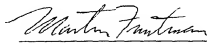
☒ A verified statement to establish small entity status under  
37 C.F.R. 1.9 and 37 C.F.R. 1.27.

The filing fee has been calculated as shown below:

(Col. 1) (Col. 2) NO.			SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR:	NO. FILED	EXTRA	RATE	FEE		RATE	FEE
BASIC FEE	*****	*****	****	\$380	OR	****	\$760
TOTAL CLMS	7-20=	0	x9	\$ 0	OR	x18	\$
INDEP.CLMS	2-3=	0	x39	\$ 0	OR	x78	\$
<input type="checkbox"/> MULTIPLE INDEPENDENT CLAIMS			x	\$ 0	OR	x	\$
TOTAL				\$380		TOTAL	\$

☒ A check in the amount of \$380.00 to cover the filing  
fee is enclosed.

☒ A second check in the amount of \$ 40.00 to cover the  
fee for recording of the assignment is enclosed.  
A duplicate copy of this sheet is enclosed.

  
Martin Fruitman  
Attorney of Record  
Reg. No. 26,890

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